

INTERNATIONAL PRELIMINARY EXAMINING APROPRIA CTATE 13 MAY 2005

MORROW, Joy, D. Smart & Biggar P.O. Box 2999, Station D 900- 55 Metcalfe Street Ottawa, Ontario K1P 5Y6 **CANADA**

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

IMPORTANT NOTIFICATION

Date of mailing (day/month/year)

14.09.2004

Applicant's or agent's file reference 77402-100

Priority date (day/month/year)

International application No. PCT/IB 03/06390

International filing date (day/month/year)

18.11.2002

18.11.2003

Applicant

PERFORMANCE PLANTS, INC.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:

European Patent Office - Gitschiner Str. 103 D-10958 Berlin Tel. +49 30 25901 - 0

Fax: +49 30 25901 - 840

Authorized Officer

HALBARTSCHLAGER, M

Tel. +49 30 25901-714





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

						-	11
Applicant 77402-1		nt's file reference	FOR FURTHER AC	TION	See Notification Preliminary Exa	n of Transmittal of Interramination Report (Form	ational PCT/IPEA/416)
Internation	nal appli	cation No.	International filing date (d	lay/mont	h/year)	Priority date (day/mon	th/year)
PCT/IB	03/063	90	18.11.2003			18.11.2002	
Internation		nt Classification (IPC) or b	oth national classification an	nd IPC			
Applicant PERFO	RMAN	ICE PLANTS, INC.					
1. Thi	s interr	national preliminary exam and is transmitted to the	mination report has been applicant according to A	prepar	ed by this Inte 6.	rnational Preliminary	Examining
2. Th	2. This REPORT consists of a total of 5 sheets, including this cover sheet.						
	been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
Th	ese ạnı	nexes consist of a total of	or sneets.				
3. Th	is repo⊧ ⊠ □	rt contains indications re Basis of the opinion Priority	elating to the following ite	ms:			
111			opinion with regard to no	veltv. i	nventive step a	and industrial applical	oility
IV		Lack of unity of invent					·
V	⊠	Reasoned statement	under Rule 66.2(a)(ii) with ions supporting such sta	h regar tement	d to novelty, in	ventive step or indus	trial applicability;
VI.		Certain documents cit					
VI	\equiv		international application			•	
			on the international applic	cation			
	_	23,1411, 2333, 141,3110					
Date of s	ubmissi	on of the demand		Date of	completion of the	nis report	
18.06.2	004			14.09	.2004		
Name an	ry exam	g address of the internation ining authority:		Author	zed Officer	· · · · · · · · · · · · · · · · · · ·	destincts on Polances, E.
·—	_ Eu	ropean Patent Office - Gits	schiner Str. 103	De Ko	nk Δ		
)) Te	10958 Berlin al. +49 30 25901 - 0			·	00001 014	
. •	E a	V. 140 30 25001 - 840	l l	IDIANH	one No. ±49.30	209U1-314	"Direct continue of the contin

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB 03/06390

١.	Basis	of the	report
----	--------------	--------	--------

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages						
	1-7	0	as .	originally filed				
	Cla	ims, Numbers				•		
	,1-6	1	as	originally filed				
	Dra	wings, Sheets						
	1/5-	5/5	as	originally filed				
2.	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.							
	The	ese elements were av	vailable or fu	rnished to this A	uthority in the folk	owing language:	, which is:	
. •		the language of a tra	anslation fur	nished for the p	urposes of the inte	rnational search (under Rule 23.1(b)).	
		the language of publication of the international application (under Rule 48.3(b)).						
		the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).						
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
	□ .	contained in the inte	ernational ap	plication in writte	en form.			
		☐ filed together with the international application in computer readable form.						
	☐ furnished subsequently to this Authority in written form.							
	☐ furnished subsequently to this Authority in computer readable form.							
	X	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	⊠	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
4.	The	amendments have r	resulted in th	e cancellation o	f:			
		the description,	pages:	•				
		the claims,	Nos.:					
		the drawings,	sheets:					

EXAMINATION REPORT

International application No.

PCT/IB 03/06390

5 M	This report has been established as if (some of) the amendments had not been made, since the	∍y have
J. L	been considered to go beyond the disclosure as filed (Rule 70.2(c)).	
	boon considered to game,	

. (Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-61

1. Statement

1-61 Yes: Claims Novelty (N) Claims No:

Claims

Yes: Claims No:

Claims 1-61 Yes: Industrial applicability (IA)

Claims No:

2. Citations and explanations

see separate sheet

Inventive step (IS)

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- Reference is made to the following document: 1.
 - D1: WO 02/16655 A (SYNGENTA PARTICIPATIONS AG; SCRIPPS RESEARCH INST (US)) 28 February 2002
- Novelty and inventive step (Articles 33(2) and (3) PCT): 2.
- The document D1 is regarded as being the closest prior art to the subject-matter of claim 1 and discloses (see abstract, claim 144 and seq.id.no. 4755) part of seq.id. no. 5 (nucleotides 1-487) and seq.id.no. 4 (nucleotides 1-282). Since D1 does not disclose the complete sequencs identified by seq.id. no. 5 or 4, the subject-matter of claim 1 is therefore new.
- 2.2 The problem to be solved by the present invention may be regarded as the identification of plant promoters which have specific expression characteristics (as compared to constitutive promoters) The solution to this problem proposed in claim 1 of the present application is the isolation of the hydroxypyruvate reductase (HPR) promoter from Arabidopsis, specific for aerial tissue (seq.id.no. 5) as well as a truncated version thereof (seq.id.no.4), which is inducible by light or environmental (drought) stress. This solution is considered as involving an inventive step because D1 does neither indicate nor suggest the presence of such a promoter in the disclosed sequence.
- Claims 2-61 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.
- Clarity (Articles 6 PCT): 3.
- Claims 5 and 6 are in fact dependent on claim 1, as they encompass all the features of this claim.
- 3.2 Claims 15 and 25 do not meet the requirements of Article 6 PCT in that the

INTERNATIONAL PRELIMINARY

International application No. PCT/IB 03/06390

EXAMINATION REPORT - SEPARATE SHEET

matter for which protection is sought is not clearly defined. The claims attempt to define the subject-matter in terms of the result to be achieved (i.e. "...capable of altering an agronomic trait..."), which merely amounts to a statement of the underlying problem, without providing the technical features necessary for achieving this result.